

Customer Specification

PART NO. M2414

Construction

					Diameters	(ln)
1) Component 1			25 X 1 COND			
a) Conductor			28 (7/36) AWG Tinned Copper		0.015	
b) Insulation			0.010" Wall, Nom. PVC, Semi Rigid		0.035	
(1) Color Code			Alpha Wire Color Code D			
Cond	Color	Cond	Color	Cond	d	Color
1	BLACK	10	SLATE	19		WHITE/YELLOW
2	RED	11	PINK	20		WHITE/BLUE
3	WHITE	12	TAN	21		WHITE/BROWN
4	GREEN	13	RED/GREEN	22		WHITE/ORANGE
5	ORANGE	14	RED/YELLOW	23		WHITE/SLATE
6	BLUE	15	RED/BLACK	24		WHITE/VIOLET
7	BROWN	16	WHITE/BLACK	25		WHITE/BLACK/RED
8	YELLOW	17	WHITE/RED			
9	VIOLET	18	WHITE/GREEN			
2) Cable Assembly			25 Components Cabled			
a) Twists:			4.0 Twists/foot (min)			
b) Orientation:			Components to be arranged from INSIDE LAYER to OUTSIDE LAYER			
3) Shield:			Alum/Mylar Tape, 25% Overlap, Min.			
a) Foil Direction			Foil Facing Out			
b) Drain Wire			28 (7/36) AWG Tinned Copper			
c) Braid			Tinned Copper,65% Coverage, Nom.			
4) Jacket			0.032" Wall, Nom.,PVC		0.300 (0.31	9 Max.)
a) Color(s)			SLATE			
b) Ripcord			1 End 810 Denier Nylon			
c) Print			ALPHA WIRE-* P/N M2414 25C 28 AWG EXXXXXX SHIELDED 75C CMG (UL) C(UL) OR AWM 2464 CE ROHS * = Factory Code [Note: Product may have c(UL) or CSA markings depending upon plant of manufacture.]			

Applicable Specifications

1) UL	AWM/STYLE 2464	80°C / 300 V _{RMS}
	CMG	75°C
2) CSA International	FT4	
	C(UL) TYPE CMG	75°C
3) CE:	EU Low Voltage Directive 2014/35/EU	

Environmental

	This product complies with European Directive 2011/65/EU (RoHS Directive) of the European Parliament and of the Council of 8 June 2011 and the amending Directive 2015/863/EU of 4 June 2015. No Exemption are required for RoHS Compliance on this item.
2) REACH Regulation (EC 190	77/2006):
	This product does not contain Substances of Very High Concern (SVHC) listed on the European Union's REACH candidate list in excess of 0.1% mass of the item.
3) California Proposition 65:	This product may contain substances known to the State of California to cause Cancer or Reproductive Harm, but is exempt from labeling based on the Consent Judgement. See the Alpha Wire website for more information.

Properties

to 80°C (Cable Diameter Lbs, Maximum r Engineering purposes only)	
Lbs, Maximum	
r Engineering purposes only)	
) V _{RMS}	
6 pF/ft @1 kHz, Nominal Conductor to Conductor	
pF/ft @1 kHz, Nominal	
2 μH/ft, Nominal	
Ω/1000ft @20°C, Nominal	
4.6 Ω/1000ft @20°C, Nominal	

Other

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nay vary slightly]
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EU/UK/China ROHS CERTIFICATE OF COMPLIANCE

To Whom It May Concern:

Alpha Wire Part Number: M2414

M2414, RoHS-Compliant Commencing With 11/1/2004 Production

Note: all colors and put-ups

This document certifies that the Alpha part number cited above, including all packaging materials, is manufactured in accordance with Directive 2011/65/EU of the European Parliament, better known as the RoHS Directive (commonly known as RoHS 2), with regards to restrictions of the use of certain hazardous substances used in the manufacture of electrical and electronic equipment. This certification extends to amending Directive 2015/863/EU which expanded the list of restricted substances to 10 items (commonly known as RoHS 3). This product also complies with UK - RoHS. The reader is referred to these Directives for the specific definitions and extents of the Directives. **No Exemptions are required for RoHS Compliance on this item**. Additionally, Alpha certifies that the listed part number is in compliance with China RoHS "Marking for Control of Pollution by Electronic Information Products" standard SJ/T 11364-2014. This product is also in compliance with China RoHS 2 per GB/T 26572-2011.

Substance	Maximum Control Value
Lead	0.1% by weight (1000 ppm)
Mercury	0.1% by weight (1000 ppm)
Cadmium	0.01% by weight (100 ppm)
Hexavalent Chromium	0.1% by weight (1000 ppm)
Polybrominated Biphenyls (PBB)	0.1% by weight (1000 ppm)
Polybrominated Diphenyl Ethers (PBDE),	
Including Deca-BDE	0.1% by weight (1000 ppm)
Bis(2-ethylhexyl) phthalate (DEHP)	0.1% by weight (1000 ppm)
Butyl benzyl phthalate (BBP)	0.1% by weight (1000 ppm)
Dibutyl phthalate (DBP)	0.1% by weight (1000 ppm)
Diisobutyl phthalate (DIBP)	0.1% by weight (1000 ppm)

The information provided in this document and disclosure is correct to the best of Alpha Wire's knowledge, information and belief at the date of its release. The information provided is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it will become part of. The intent of this document is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.

Authorized Signatory for the Alpha Wire:

Dave Watson, Director of Engineering 4/26/2024

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